



[11] **Patent Number:** 6,008,216  
[45] **Date of Patent:** \*Dec. 28, 1999

FOREIGN PATENT DOCUMENTS

454436 10/1991 European Pat. Off. .

## OTHER PUBLICATIONS

Chakrabarti et. al., "4-Piperazinyl-10H-Thieno[2,3-b][1,5] Benzodiazepines as Potential Neuroleptics.", J. Med. Chem., vol. 23, No. 8, Aug. 1980, pp. 878-884.

[\*] Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

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[21] Appl. No.: 09/122,294

[57] **ABSTRACT**

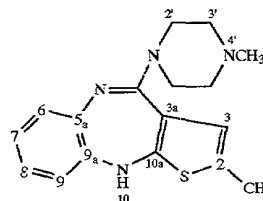
[22] Filed: Jul. 24, 1998

2-Methyl-4-(4-methyl-1-piperazinyl)-10H-thieno-[2,3-b][1,5]benzodiazepine, or an acid salt thereof, has pharmaceutical properties, and is of particular use in the treatment of disorders of the central nervous system. The compound has the following structure:

### Related U.S. Application Data

[60] Division of application No. 08/748,292, Nov. 13, 1996, Pat. No. 5,817,655, and a continuation-in-part of application No. 08/387,997, Feb. 13, 1995, Pat. No. 5,627,178, which is a continuation-in-part of application No. 08/044,844, Apr. 8, 1993, abandoned, which is a continuation-in-part of application No. 07/890,348, May 22, 1992, Pat. No. 5,229,382, which is a continuation of application No. 07/690,143, Apr. 23, 1991, abandoned.

[51] **Int. Cl.**<sup>6</sup> ..... **A01N 43/62; C07D 243/10**  
[52] **U.S. Cl.** ..... **514/220; 540/557**  
[58] **Field of Search** ..... **514/220; 540/557**

[56] **References Cited**

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5,637,584 6/1997 Larsen ..... 514/220

## 1 Claim, No Drawings

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